Appendix table 3-12

Employed S&E highest degree holders, by sex, race/ethnicity, degree level, field of highest degree, and broad occupation category: 2008

(Percent)

Sex, race/ethnicity, degree level, and field	Occupation			
	S&E	S&E but out of field	S&E-related	Non-S&E
All employed S&E highest degree holders	38.0	8.4	12.6	49.4
Female				
All degree levels				
All fields	26.0	5.4	14.7	59.2
Computer and mathematical sciences	46.6	2.4	16.7	36.7
Biological, agricultural, and environmental life sciences	28.0	6.4	32.7	39.3
Physical sciences	50.0	17.3	17.0	33.0
Social sciences	12.8	3.2	8.6	78.6
Engineering	62.4	15.6	9.4	28.3
Bachelor's				
All fields	18.5	4.7	15.6	65.9
Computer and mathematical sciences	39.4	2.0	17.8	42.8
Biological, agricultural, and environmental life sciences	20.0	5.5	35.1	44.9
Physical sciences	41.9	16.6	18.5	39.7
Social sciences	6.3	3.3	8.8	84.9
Engineering	57.0	12.1	9.8	33.1
Master's				
All fields	38.8	6.7	13.5	47.7
Computer and mathematical sciences	62.5	3.2	14.9	22.5
Biological, agricultural, and environmental life sciences	40.4	10.8	31.2	28.4
Physical sciences	58.3	14.3	18.9	22.8
Social sciences	21.9	2.7	9.2	68.9
Engineering	69.9	21.7	8.9	21.3
Doctorate				
All fields	73.5	9.1	9.0	17.4
Computer and mathematical sciences	85.2	6.1	3.6	11.2
Biological, agricultural, and environmental life sciences	70.2	7.4	16.8	13.1
Physical sciences	76.4	25.3	7.2	16.4
Social sciences	72.2	4.3	4.4	23.3
Engineering	84.2	21.4	6.5	9.3
Male				
All degree levels				
All fields	45.1	10.2	11.3	43.6
Computer and mathematical sciences	60.5	3.9	14.6	24.9
Biological, agricultural, and environmental life sciences	32.5	9.9	19.6	47.8
Physical sciences	55.9	21.4	12.1	32.0
Social sciences	15.3	6.8	6.7	78.0
Engineering	64.5	14.3	9.9	25.6
Bachelor's				
All fields	38.1	9.2	11.4	50.5
Computer and mathematical sciences	57.2	3.2	15.5	27.3
Biological, agricultural, and environmental life sciences	21.6	10.0	20.3	58.1
Physical sciences	44.8	21.1	12.5	42.7
Social sciences	9.0	6.7	6.4	84.6
Engineering	60.4	12.4	10.1	29.5
Master's				
All fields	58.3	13.0	11.5	30.2
Computer and mathematical sciences	65.4	5.1	13.8	20.7
Biological, agricultural, and environmental life sciences	50.8	11.4	16.4	32.7
Physical sciences	60.7	22.0	16.2	23.1
Social sciences	25.6	7.5	9.2	65.2
Engineering	73.1	19.2	9.5	17.4
Doctorate				
All fields	74.3	12.9	9.7	16.0
Computer and mathematical sciences	83.5	6.8	4.2	12.3

Appendix table 3-12

Employed S&E highest degree holders, by sex, race/ethnicity, degree level, field of highest degree, and broad occupation category: 2008

(Percent)

Sex, race/ethnicity, degree level, and field	Occupation			
	S&E	S&E but out of field	S&E-related	Non-S&E
Biological, agricultural, and environmental life sciences	66.5	8.3	19.3	14.1
Physical sciences	78.6	21.7	7.8	13.7
Social sciences	68.9	6.4	4.2	26.9
Engineering	79.5	17.6	8.2	12.3
Asians				
All degree levels				
All fields	54.7	15.5	12.1	33.2
Computer and mathematical sciences	66.4	4.1	12.2	21.3
Biological, agricultural, and environmental life sciences	39.4	9.8	28.2	32.4
Physical sciences	60.3	27.3	10.6	29.1
Social sciences	15.7	7.6	7.9	76.5
Engineering	70.3	27.1	9.2	20.5
Bachelor's				
All fields	39.9	13.2	13.9	46.2
Computer and mathematical sciences	56.1	4.0	14.5	29.4
Biological, agricultural, and environmental life sciences	20.4	6.5	32.9	46.6
Physical sciences	46.7	24.8	12.8	40.5
Social sciences	8.5	6.5	8.4	83.1
Engineering	60.2	25.4	10.9	28.9
Master's				
All fields	71.5	18.7	9.8	18.7
Computer and mathematical sciences	75.4	4.0	10.6	14.0
Biological, agricultural, and environmental life sciences	56.3	21.3	24.4	19.3
Physical sciences	59.1	24.9	11.5	29.4
Social sciences	32.7	11.7	7.1	60.2
Engineering	80.2	31.5	7.3	12.5
Doctorate				
All fields	78.1	17.6	10.3	11.6
Computer and mathematical sciences	85.7	7.2	4.3	10.0
Biological, agricultural, and environmental life sciences	69.6	9.8	20.4	10.0
Physical sciences	80.8	33.0	6.7	12.5
Social sciences	73.6	11.0	2.7	23.6
Engineering	82.1	19.9	7.9	10.0
American Indian/Alaska Native				
All degree levels				
All fields	30.7	3.7	11.3	58.0
Computer and mathematical sciences	43.8	S	S	48.0
Biological, agricultural, and environmental life sciences	29.0	S	33.7	37.3
Physical sciences	48.3	16.8	S	49.2
Social sciences	12.2	S	1.7	86.1
Engineering	59.1	S	20.7	20.2
Bachelor's				
All fields	26.4	3.5	11.9	61.7
Computer and mathematical sciences	46.5	S	S	S
Biological, agricultural, and environmental life sciences	27.5	S	31.8	40.7
Physical sciences	39.0	S	S	S
Social sciences	S	S	S	96.5
Engineering	56.0	S	S	21.4
Master's				
All fields	44.2	3.2	S	46.7
Computer and mathematical sciences	31.1	S	S	S
Biological, agricultural, and environmental life sciences	S	S	S	S
Physical sciences	98.6	S	S	S
Social sciences	46.2	S	S	53.8
Engineering	76.3	S	S	S

Appendix table 3-12

Employed S&E highest degree holders, by sex, race/ethnicity, degree level, field of highest degree, and broad occupation category: 2008

(Percent)

Sex, race/ethnicity, degree level, and field	Occupation			
	S&E	S&E but out of field	S&E-related	Non-S&E
Doctorate				
All fields	72.6	9.8	8.1	19.3
Computer and mathematical sciences	S	S	S	S
Biological, agricultural, and environmental life sciences	62.1	S	S	S
Physical sciences	S	S	S	S
Social sciences	65.5	S	S	23.0
Engineering	S	S	S	S
Black				
All degree levels				
All fields	25.2	5.0	13.3	61.4
Computer and mathematical sciences	46.6	2.9	13.5	39.9
Biological, agricultural, and environmental life sciences	18.9	6.2	39.9	41.1
Physical sciences	37.7	13.6	18.5	43.8
Social sciences	8.9	3.0	7.6	83.5
Engineering	61.1	12.3	11.4	27.5
Bachelor's				
All fields	21.1	5.0	13.2	65.7
Computer and mathematical sciences	42.7	3.2	12.1	45.2
Biological, agricultural, and environmental life sciences	14.6	6.3	42.5	42.9
Physical sciences	28.5	13.3	17.0	54.5
Social sciences	5.2	3.1	7.1	87.7
Engineering	57.9	11.3	11.8	30.3
Master's				
All fields	33.7	5.1	15.1	51.2
Computer and mathematical sciences	59.1	1.6	19.5	21.4
Biological, agricultural, and environmental life sciences	16.9	6.1	34.6	48.5
Physical sciences	44.8	14.8	29.7	25.5
Social sciences	13.6	2.2	11.0	75.3
Engineering	73.0	17.1	9.5	17.5
Doctorate				
All fields	71.3	5.7	8.6	20.2
Computer and mathematical sciences	84.6	5.3	4.5	10.9
Biological, agricultural, and environmental life sciences	67.8	5.4	19.7	12.5
Physical sciences	79.7	13.7	7.4	13.0
Social sciences	69.0	2.7	3.5	27.5
Engineering	71.3	10.6	10.6	18.1
Hispanic				
All degree levels				
All fields	32.3	6.7	13.0	54.7
Computer and mathematical sciences	47.2	2.8	14.2	38.6
Biological, agricultural, and environmental life sciences	29.2	6.3	30.9	39.9
Physical sciences	52.1	19.1	15.4	32.6
Social sciences	12.1	4.1	6.9	81.0
Engineering	59.9	10.9	12.3	27.7
Bachelor's				
All fields	27.8	6.7	13.6	58.6
Computer and mathematical sciences	45.4	2.8	14.5	40.1
Biological, agricultural, and environmental life sciences	19.0	6.5	33.3	47.8
Physical sciences	48.7	19.9	12.5	38.7
Social sciences	7.3	4.6	7.0	85.7
Engineering	57.9	10.0	13.7	28.5
Master's				
All fields	43.3	6.4	11.2	45.5
Computer and mathematical sciences	52.6	2.7	13.7	33.7
Biological, agricultural, and environmental life sciences	67.9	7.2	23.2	8.9

Appendix table 3-12

Employed S&E highest degree holders, by sex, race/ethnicity, degree level, field of highest degree, and broad occupation category: 2008

(Percent)

Sex, race/ethnicity, degree level, and field	Occupation			
	S&E	S&E but out of field	S&E-related	Non-S&E
Physical sciences	49.7	14.4	36.3	14.0
Social sciences	21.4	2.2	7.6	71.0
Engineering	65.8	13.2	7.8	26.4
Doctorate				
All fields	74.0	8.8	8.7	17.3
Computer and mathematical sciences	82.5	S	S	13.8
Biological, agricultural, and environmental life sciences	72.7	4.0	19.4	7.9
Physical sciences	78.7	19.5	5.3	16.0
Social sciences	69.3	3.2	2.2	28.5
Engineering	79.7	23.7	6.2	14.1
White				
All degree levels				
All fields	36.6	7.6	12.6	50.8
Computer and mathematical sciences	54.6	3.2	16.5	28.9
Biological, agricultural, and environmental life sciences	30.1	8.4	24.2	45.7
Physical sciences	53.8	19.3	13.6	32.6
Social sciences	14.4	4.7	7.7	77.9
Engineering	63.0	11.4	9.7	27.4
Bachelor's				
All fields	30.5	7.0	12.8	56.7
Computer and mathematical sciences	52.1	2.5	17.3	30.6
Biological, agricultural, and environmental life sciences	21.3	8.1	25.5	53.2
Physical sciences	43.4	19.2	14.6	42.0
Social sciences	7.6	4.8	7.6	84.8
Engineering	60.0	10.1	9.5	30.5
Master's				
All fields	46.3	8.8	13.0	40.7
Computer and mathematical sciences	58.6	5.3	16.0	25.5
Biological, agricultural, and environmental life sciences	44.3	10.1	22.9	32.8
Physical sciences	61.3	18.9	16.9	21.8
Social sciences	23.5	4.4	9.5	67.0
Engineering	69.4	14.2	10.6	19.9
Doctorate				
All fields	73.1	10.6	9.3	17.6
Computer and mathematical sciences	83.2	6.8	4.0	12.8
Biological, agricultural, and environmental life sciences	67.0	7.8	17.9	15.2
Physical sciences	77.5	19.7	7.9	14.6
Social sciences	70.3	5.3	4.5	25.2
Engineering	79.3	17.0	7.8	12.8
Native Hawaiian/Other Pacific Islander				
All degree levels				
All fields	36.4	9.3	16.0	47.5
Computer and mathematical sciences	54.4	S	S	42.4
Biological, agricultural, and environmental life sciences	13.2	S	41.6	45.2
Physical sciences	42.7	16.2	41.3	15.9
Social sciences	18.3	9.3	14.8	66.9
Engineering	62.4	13.2	8.9	28.6
Bachelor's				
All fields	33.6	8.3	14.9	51.5
Computer and mathematical sciences	53.2	S	S	S
Biological, agricultural, and environmental life sciences	S	S	35.8	52.4
Physical sciences	37.4	21.2	S	S
Social sciences	14.1	10.6	16.7	69.2
Engineering	63.2	7.9	6.8	30.1

Appendix table 3-12

Employed S&E highest degree holders, by sex, race/ethnicity, degree level, field of highest degree, and broad occupation category: 2008

(Percent)

Sex, race/ethnicity, degree level, and field	Occupation			
	S&E	S&E but out of field	S&E-related	Non-S&E
Master's				
All fields	48.1	15.3	20.3	31.6
Computer and mathematical sciences	S	S	S	S
Biological, agricultural, and environmental life sciences	S	S	S	S
Physical sciences	S	S	S	S
Social sciences	S	S	S	60.8
Engineering	62.8	31.7	S	S
Doctorate				
All fields	58.2	7.1	33.5	8.3
Computer and mathematical sciences	S	S	S	S
Biological, agricultural, and environmental life sciences	61.5	S	24.7	S
Physical sciences	39.9	S	S	S
Social sciences	92.5	S	S	S
Engineering	25.2	S	S	S
Two or more races				
All degree levels				
All fields	34.2	9.1	12.6	53.2
Computer and mathematical sciences	57.1	7.1	14.6	28.3
Biological, agricultural, and environmental life sciences	29.9	8.3	22.2	47.9
Physical sciences	65.2	20.8	12.8	22.0
Social sciences	13.2	5.9	10.8	76.0
Engineering	67.8	15.9	9.8	22.4
Bachelor's				
All fields	29.9	9.0	13.4	56.7
Computer and mathematical sciences	55.1	8.2	12.0	33.0
Biological, agricultural, and environmental life sciences	22.2	8.9	23.8	54.0
Physical sciences	63.8	21.9	13.4	22.8
Social sciences	9.3	5.7	12.1	78.6
Engineering	67.4	15.6	11.0	21.5
Master's				
All fields	45.4	10.5	9.8	44.8
Computer and mathematical sciences	63.9	S	26.9	S
Biological, agricultural, and environmental life sciences	39.5	S	18.9	41.6
Physical sciences	60.0	18.1	16.0	S
Social sciences	25.0	81.0	3.9	71.1
Engineering	69.6	17.9	S	25.3
Doctorate				
All fields	72.5	7.2	8.9	18.6
Computer and mathematical sciences	76.5	S	S	S
Biological, agricultural, and environmental life sciences	74.3	4.0	15.0	10.7
Physical sciences	77.9	19.2	6.2	16.0
Social sciences	69.2	S	5.2	25.6
Engineering	67.1	9.6	8.4	24.5

S = suppressed for reasons of confidentiality and/or reliability

NOTES: Detail may not add to total because of rounding. All degree levels includes professional degrees not broken out separately.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) , 2008, http://sestat.nsf.gov

Science and Engineering Indicators 2012